

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P676575

Luminaire Tested: **CCW-SA-1C-750-U-T4FT-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676575
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-750-U-T4FT-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T4FT distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

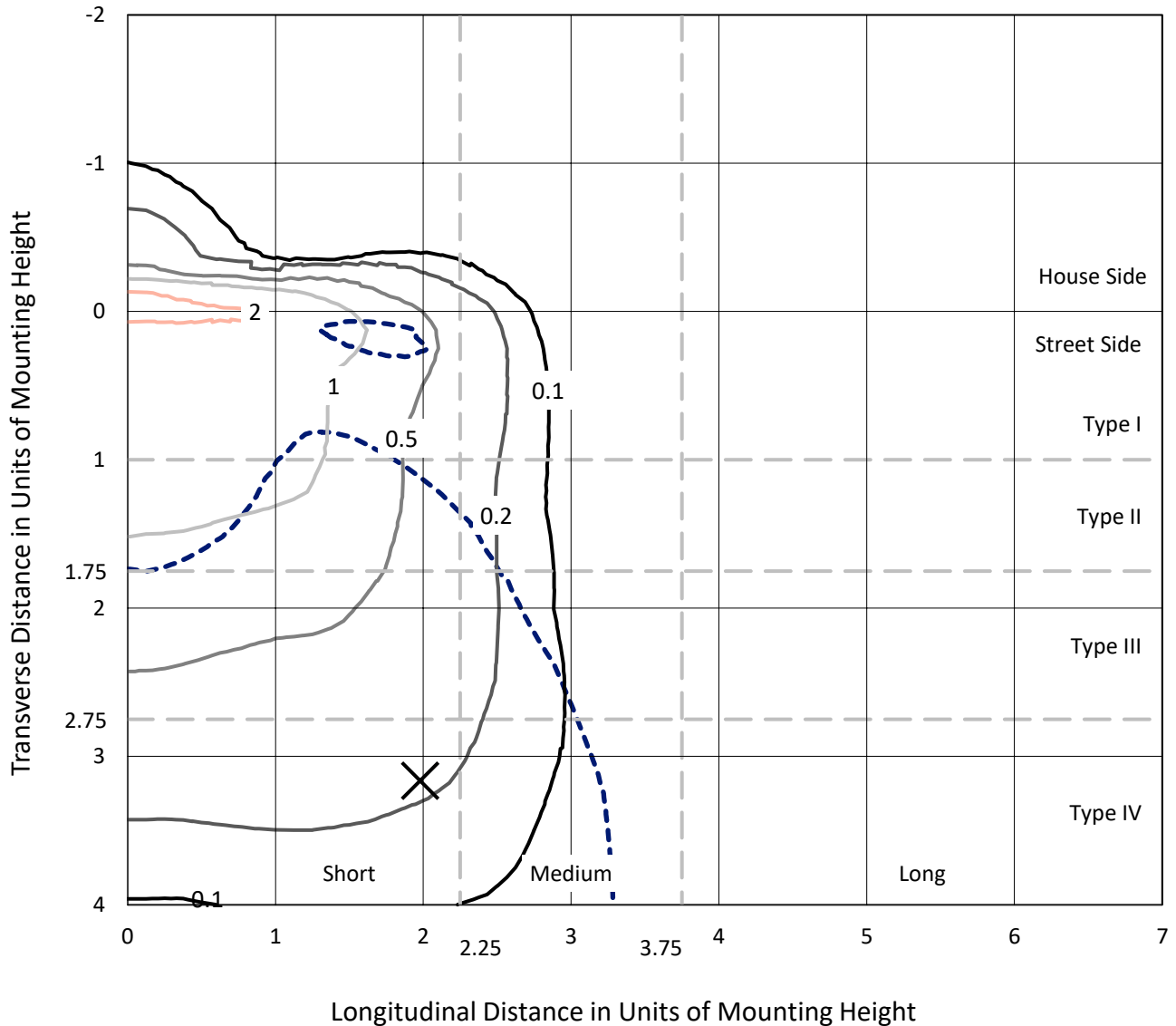
Lumens per Lamp: N/A
Luminaire Lumens: 3320.8 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

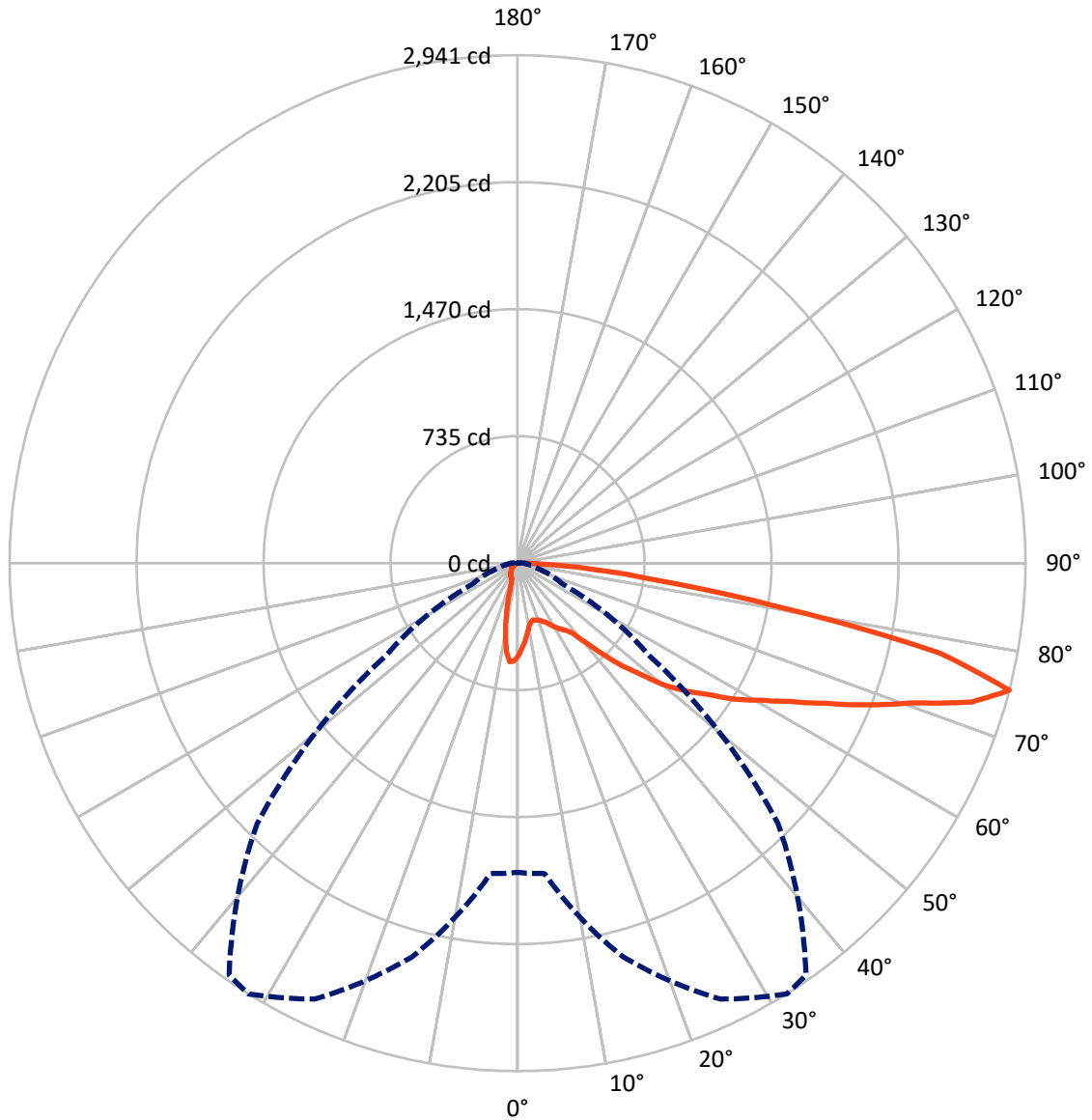
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	358.8	0.0	358.8
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2962.1	0.0	2962.1
	% Fixture	89.2	0.0	89.2
Total	Lumens	3320.8	0.0	3320.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.1	1.4
10°-20°	107.0	3.2
20°-30°	160.2	4.8
30°-40°	245.9	7.4
40°-50°	430.0	12.9
50°-60°	672.1	20.2
60°-70°	868.9	26.2
70°-80°	707.7	21.3
80°-90°	81.9	2.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3320.8	100.0
0°-180°	3320.8	100.0



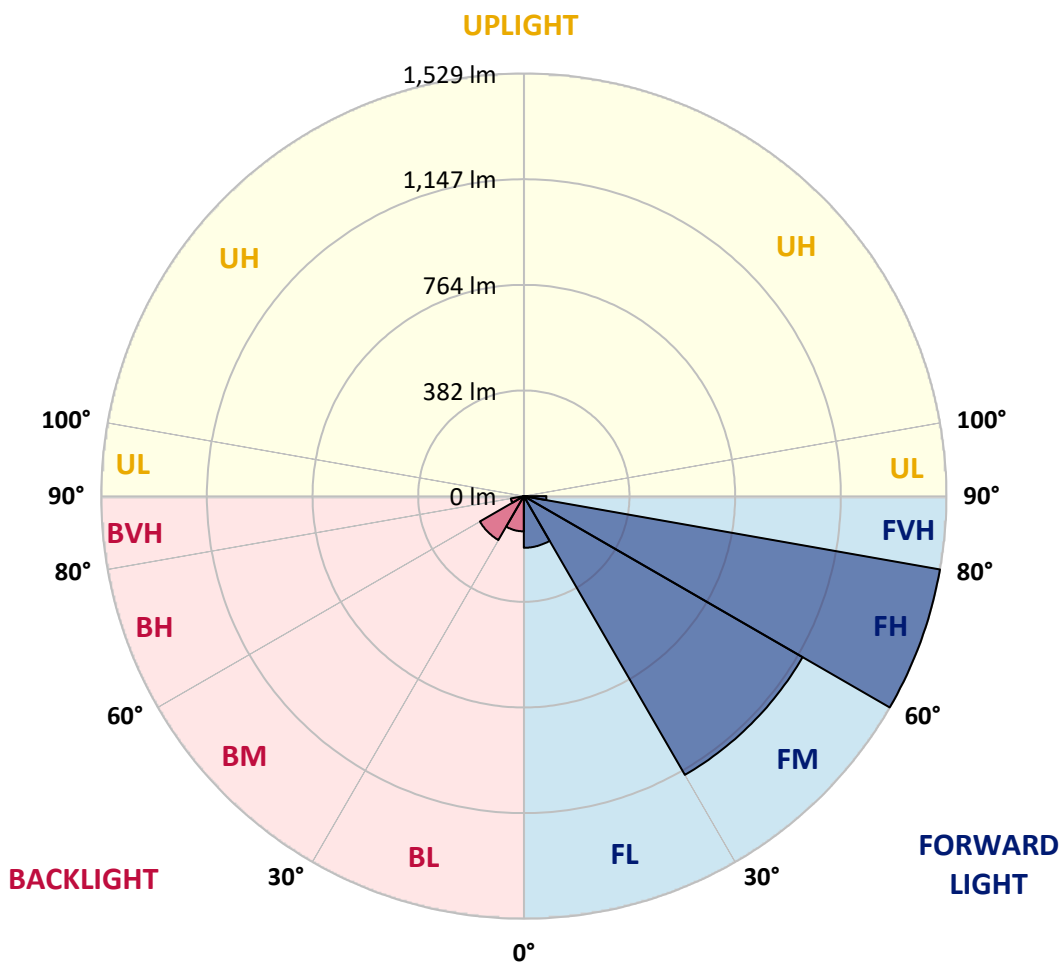
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.8	5.6			
FM (30°-60°)	1164.4	35.1			
FH (60°-80°)	1528.9	46.0			G1/1800
FVH (80°-90°)	81.9	2.5			G1/100
BL (0°-30°)	127.4	3.8	B1/500		
BM (30°-60°)	183.5	5.5	B0/220		
BH (60°-80°)	47.7	1.4	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2
2.5°	480.9	487.7	486.8	491.1	492.0	494.5	500.5	500.5	517.5	529.4	537.1
5°	437.5	433.2	434.9	440.0	452.8	451.9	466.4	474.1	494.5	511.5	529.4
7.5°	383.9	383.0	386.4	398.3	407.7	415.4	430.7	450.2	477.5	503.0	534.5
10°	349.8	348.1	354.9	358.3	369.4	374.5	398.3	429.0	461.3	497.9	534.5
12.5°	342.2	336.2	339.6	338.7	349.0	351.5	374.5	411.9	451.1	496.2	541.3
15°	346.4	342.2	338.7	338.7	341.3	343.0	367.7	400.9	445.1	498.8	556.6
17.5°	360.0	357.5	347.3	337.0	348.1	348.1	363.4	398.3	446.0	506.4	575.4
20°	376.2	373.6	355.8	343.9	351.5	360.0	376.2	404.3	448.5	512.4	604.3
22.5°	394.1	394.1	369.4	355.8	366.0	366.8	395.8	423.0	458.8	527.7	623.0
25°	416.2	414.5	390.7	375.3	378.8	388.1	414.5	443.4	477.5	549.0	657.9
27.5°	445.1	442.6	414.5	399.2	403.4	413.6	443.4	472.4	494.5	557.5	687.7
30°	469.0	466.4	443.4	420.5	429.8	439.2	474.1	499.6	515.8	573.7	721.8
32.5°	474.1	469.8	454.5	444.3	454.5	472.4	499.6	526.0	550.7	614.5	786.4
35°	532.8	517.5	477.5	461.3	476.6	482.6	527.7	574.5	598.3	646.9	858.8
37.5°	645.2	630.7	577.9	532.8	511.5	518.3	577.1	634.9	657.9	707.3	937.9
40°	783.0	759.2	703.0	642.6	599.2	590.7	629.0	714.1	736.2	783.0	1041.8
42.5°	940.5	917.5	830.7	759.2	714.9	703.9	709.8	806.0	824.7	852.8	1109.9
45°	1053.7	1041.8	943.9	880.1	845.2	833.3	818.8	906.5	930.3	939.6	1208.6
47.5°	1119.2	1110.7	1056.2	1012.8	966.0	953.3	962.6	1046.0	1029.9	1037.5	1303.1
50°	1206.9	1184.8	1110.7	1124.3	1115.0	1111.6	1127.7	1164.3	1140.5	1118.4	1406.1
52.5°	1277.5	1238.4	1186.5	1219.7	1234.1	1246.9	1303.9	1331.2	1224.8	1190.7	1472.5
55°	1320.9	1283.5	1297.1	1327.8	1343.1	1401.8	1469.0	1448.6	1280.1	1248.6	1561.0
57.5°	1360.1	1362.7	1399.3	1408.6	1486.9	1497.1	1626.5	1560.1	1319.2	1301.4	1595.9
60°	1454.6	1445.2	1475.0	1535.4	1610.3	1667.4	1790.8	1635.0	1338.8	1328.6	1586.5
62.5°	1624.8	1566.9	1577.1	1653.7	1763.5	1825.7	1885.2	1669.1	1333.7	1332.9	1558.4
65°	1841.0	1774.6	1744.0	1815.5	1957.6	2045.3	1991.6	1707.4	1299.7	1323.5	1453.7
67.5°	2020.6	2021.4	1964.4	2004.4	2190.0	2208.7	2092.1	1699.7	1242.6	1249.5	1198.4
70°	2227.4	2255.5	2205.3	2330.4	2423.2	2435.1	2207.0	1636.7	1120.1	942.2	688.6
72.5°	2280.2	2294.6	2451.2	2643.6	2748.3	2751.7	2320.2	1426.5	737.1	416.2	213.6
75°	1790.8	1804.4	2359.3	2784.9	2940.6	2910.9	2131.2	926.0	286.8	121.7	51.1
77.5°	999.2	1003.5	1464.8	2251.2	2494.7	2374.6	1492.9	360.9	115.8	69.8	23.8
80°	273.2	320.9	543.0	1109.9	1523.5	1495.4	710.7	117.5	74.9	54.5	11.1
82.5°	65.5	70.6	174.5	491.1	805.2	840.1	211.9	59.6	51.9	45.1	6.0
85°	23.8	26.4	53.6	239.2	413.6	379.6	63.8	29.8	38.3	34.9	2.6
87.5°	8.5	8.5	17.0	78.3	120.9	91.1	21.3	10.2	19.6	21.3	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2	536.2
2.5°	537.9	537.9	549.8	560.0	563.4	567.7	563.4	572.8	572.0	567.7	569.4
5°	538.8	554.1	564.3	571.1	574.5	573.7	575.4	565.1	559.2	554.9	550.7
7.5°	543.0	557.5	576.2	574.5	565.1	545.6	530.3	503.0	476.6	475.8	471.5
10°	557.5	570.3	581.3	574.5	540.5	480.9	432.4	395.8	362.6	347.3	349.0
12.5°	567.7	591.5	586.4	551.5	480.9	402.6	331.1	277.5	247.7	219.6	219.6
15°	589.0	597.5	595.8	518.3	407.7	314.1	227.3	172.8	141.3	128.5	126.8
17.5°	609.4	618.8	589.8	468.1	335.3	211.1	137.9	107.2	103.0	101.3	102.1
20°	634.9	635.8	584.7	417.9	251.9	133.6	98.7	96.2	97.0	96.2	96.2
22.5°	662.2	668.1	566.9	347.3	167.7	97.0	91.9	92.8	92.8	92.8	95.3
25°	697.9	688.6	538.8	280.0	109.8	89.4	89.4	90.2	90.2	90.2	91.1
27.5°	721.8	709.0	503.0	201.7	86.0	84.3	86.0	86.0	87.7	87.7	87.7
30°	771.1	737.9	457.9	130.2	77.5	80.0	81.7	83.4	84.3	86.0	86.8
32.5°	809.4	763.5	401.7	86.8	70.6	72.3	76.6	80.0	83.4	82.6	82.6
35°	879.2	805.2	349.8	68.9	64.7	64.7	68.9	74.9	80.0	81.7	81.7
37.5°	959.2	839.2	277.5	63.0	59.6	59.6	62.1	68.9	75.8	79.2	77.5
40°	1025.6	878.4	205.1	58.7	55.3	55.3	57.0	62.1	69.8	75.8	76.6
42.5°	1072.4	907.3	138.7	54.5	51.9	51.1	53.6	56.2	62.1	70.6	72.3
45°	1115.0	922.6	86.0	50.2	48.5	48.5	48.5	51.1	55.3	63.0	64.7
47.5°	1190.7	939.6	62.1	46.8	44.3	45.1	46.0	46.8	50.2	51.9	52.8
50°	1254.6	952.4	51.1	43.4	41.7	42.6	42.6	42.6	44.3	41.7	41.7
52.5°	1303.1	939.6	43.4	40.0	38.3	39.2	38.3	38.3	36.6	33.2	33.2
55°	1338.8	916.7	34.9	36.6	36.6	36.6	34.9	32.3	28.9	26.4	26.4
57.5°	1348.2	877.5	27.2	30.6	33.2	33.2	29.8	26.4	22.1	19.6	18.7
60°	1333.7	792.4	20.4	22.1	25.5	26.4	23.8	19.6	15.3	12.8	12.8
62.5°	1281.8	725.2	16.2	14.5	18.7	19.6	17.0	12.8	8.5	6.0	5.1
65°	1183.1	621.3	11.9	10.2	12.8	13.6	11.1	6.0	2.6	0.9	0.0
67.5°	949.0	468.1	7.7	6.8	8.5	8.5	5.1	1.7	0.0	0.0	0.0
70°	525.1	263.0	5.1	3.4	4.3	2.6	0.9	0.0	0.0	0.0	0.0
72.5°	151.5	74.9	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	40.9	17.9	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	17.9	6.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	4.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)